

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) A method in a calling party serving MSC of a telecommunications network for routing a call, comprising:

receiving at the calling party serving MSC call set-up signals for a called party mobile station;

producing the called party number to a home location register;

receiving, from the home location register, a called party serving MSC Id number and a local time for one of the called party serving MSC or the called party;

sending a message number and associated parameters to an IVR to prompt the IVR to play a specified IVR message to the calling party;

receiving an indication from the IVR either that the call is to be set up or that a message should be stored;

setting up the call with the called party serving MSC; and

connecting the call between the calling party and the called party.

2. (cancelled)

3. (currently amended) The method of claim 1 wherein one of the home location register (HLR) and a visitor location register (VLR) determines a local time value for a last known location of the called party mobile station.

4. (currently amended) The method of claim 3 further including a step of determining whether a “do not disturb” feature is active for the called party mobile station and further includes determining whether the called party mobile station is a subscriber of the “do not disturb” feature and is performed by an MSC.

5 - 8 Cancelled.

9. (Currently Amended) A method in a home location register, comprising:
- receiving at least one of a country code, an area code or a cell phone number from a serving mobile switching center (MSC) for a user equipment terminal in a local time request signal;
 - receiving a location update request signal specifying a called party mobile station ID and determining, based upon a determined local time for a last known location of the called party mobile station, whether to route the call or whether to generate a message number corresponding to a message to be originated by a message delivery device for delivery to the calling party mobile station;
 - determining a local time responsive to receiving the local time request signal; and
 - producing the local time to the MSC serving the user equipment terminal for delivery to the user equipment terminal.
10. (original) The method of claim 9 further including receiving a specified time value and determining a corresponding time value for one of the country code, area code or a last known location for a mobile station corresponding to the cell phone number.
11. (original) The method of claim 10 further including determining whether to deliver an SMS message or an IVR message to the user equipment terminal.
12. (original) The method of claim 11 further including determining that the user equipment terminal is an SMS message-capable mobile station.
13. (original) The method of claim 12 wherein the message merely provides a time corresponding to the country code or area code.
14. Cancelled.

15. (Currently Amended) The method of claim [[14]] 9 further including determining whether a local time is to be provided to the calling party and, if so, providing a local time for the last known location of the called party mobile station to the calling party MSC.

16. (original) The method of claim 15 further including evaluating whether the called party has specified whether a local time is to be provided to the calling party.

17. (Currently Amended) A Home/Visitors' Location Register (HLR/VLR), comprising:
a processor for executing computer instructions;
a memory for storing the computer instructions, wherein the computer instructions include logic for:
~~logic for~~ performing routine home location register functions;
~~logic for~~ retrieving time zone data from a database;
~~logic for~~ evaluating the retrieved time zone data; [[and]]
receiving call setup signals for a called party mobile station;
examining a subscriber profile for the called party mobile station;
determining a last known location for the called party mobile station;
determining whether to deliver a message to a calling party mobile station to prompt the
calling party mobile station to leave a message;
receiving a calling party mobile station response by way of a mobile switching center;
and
storing a message or for routing the call to the called party mobile station; and
logic for generating a message to an MSC corresponding to the retrieved time zone data.
18. Cancelled.
19. (Currently Amended) The HLR/VLR of claim [[18]] 17 wherein the computer instructions further include logic for determining a local time for the called party mobile station.
20. (Currently Amended) The HLR/VLR of claim [[18]] 17 wherein the computer instructions further include logic for, based upon the local time for the called party mobile station and upon the called party mobile station's subscriber profile, that the call is not to be set up without first generating a specified message to the calling party mobile station.

21. (Currently Amended) The HLR/VLR of claim ~~[[18]]~~ 17 wherein the computer instructions further include logic for generating a message number and a message parameter to the MSC serving the calling party mobile station to enable the calling party mobile station's MSC to prompt one of a short message service server or an interactive voice response unit to generate a specified message.

22. (original) The HLR/VLR of claim 21 wherein the computer instructions further include logic for determining whether the calling party mobile station is SMS-message capable.

23. (original) A method in a mobile switching center (MSC), comprising:
- receiving call set-up signals for a call being established between a calling party and a called party;
 - sending to a home location register one of a location update request signal to determine a serving MSC for the called party and a local time request signal;
 - receiving a local time for one of a last known location for the called party, a country code or an area code;
 - comparing the local time to a do not disturb time range;
 - generating a message number to a message delivery device to prompt the message delivery device to generate a message for the calling party[[and]]; and
 - playing the message to the calling party.
24. (original) The method of claim 23 further including generating a message number to a message delivery device to prompt the message delivery device to generate a message for the calling party.
25. (original) The method of claim 24 further including routing the call after delivering the message.
26. (original) The method of claim 24 wherein the message delivery device is one of a short message service server or an interactive voice response unit.
27. (original) The method of claim 24 further including the step of determining whether a local time for the last known location of the called party is to be transmitted to the calling party.
28. (original) The method of claim 27 wherein the determining step is based upon a subscriber profile indication.